

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/DK 03/00475

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H03K7/08

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H03D H03F H03K H02M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 623 219 A (KARRAKER DOUGLAS W) 22 April 1997 (1997-04-22) the whole document	1-16
A	US 4 617 675 A (FUSHIMI KEIKO ET AL) 14 October 1986 (1986-10-14) the whole document	1-16
A	US 5 917 369 A (NGUYEN HUEY) 29 June 1999 (1999-06-29) the whole document	1-16



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

### ° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

6 February 2004

Date of mailing of the international search report

25. 02. 2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

STEFAN HULTQUIST/MN

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/DK 03/00475

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5623219	A	22-04-1997	NONE	
US 4617675	A	14-10-1986	JP 2041118 C JP 7075474 B JP 60190170 A JP 1999457 C JP 7032620 B JP 60190181 A DE 3573497 D1 EP 0157202 A1 KR 9401571 B1	09-04-1996 09-08-1995 27-09-1985 08-12-1995 10-04-1995 27-09-1985 09-11-1989 09-10-1985 24-02-1994
US 5917369	A	29-06-1999	DE 19907937 A1	09-09-1999